

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

12. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

13. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER ☐

SINGLE ZONE ☒

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Clayton Investment Company

3. ADDRESS OF OPERATOR

P. O. Box 1367, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

2093' N.S.L. - 548' E.W.L. NW SW

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approx. 9.0 miles northeast of Cisco

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)

16. NO. OF ACRES IN LEASE

160

17. NO. OF ACRES ASSIGNED TO THIS WELL

160

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

None

19. PROPOSED DEPTH

1500' Entrada

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4580' Gr.

22. APPROX. DATE WORK WILL START*

January 21, 1981

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8 3/4	7	23N-80 ST&C	150 Ft.	Circ. cement to surface
6 1/4	4 1/2	11.6 K-55 ST&C	1500 Ft.	50 SX class G

ATTACHMENTS

Well location plat
10 Point plan
Blowout preventer diagram
Surface use and operations plan
Drawings
Archaeology Report
Water Use Authorization
Designation of Operator
(P.E.R.)
County Road use Permit
Designation of Agent

Additions to the Multipoint
Surface use plan and Reclamation
Procedures
Seed Mixture
Class III Road Specifications

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 1/17/82

BY: Charles Bartholomew

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive well and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED Charles Bartholomew - Agent TITLE Geologist

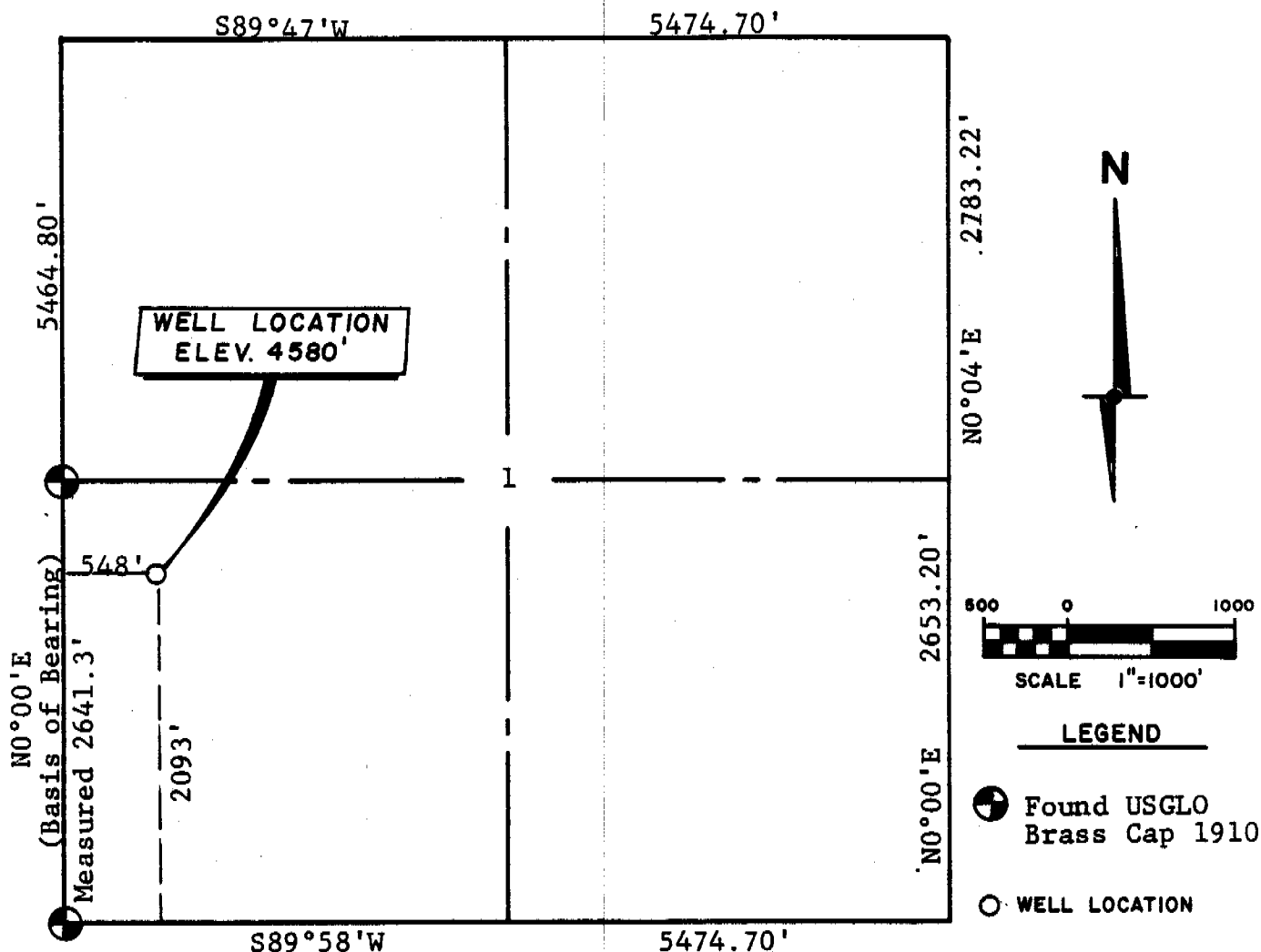
DATE 12-22-81

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

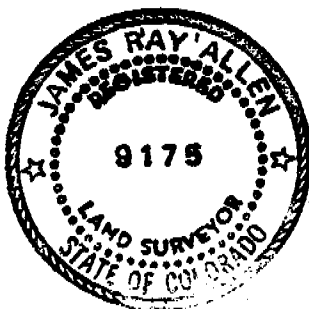
APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:



WELL LOCATION

2093 FT N.S.L. - 548 FT E.W.L.
Sec. 1, T20S, R24E, SLB&M
Grand County, Utah

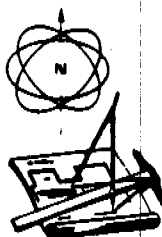


SURVEYOR'S CERTIFICATE

I, James R. Allen, a registered land surveyor in the State of Colorado do hereby certify that this survey was made under my direct supervision and that this plat represents said survey.

James R. Allen 12/15/81
James R. Allen Colo LS 9175

Utah-Title 58 Chapter 22-21 (b) Utah LS Pending



ARMSTRONG ASSOCIATES, INC. ENGINEERS • SURVEYS • U.S. MINERAL SURVEYORS 861 Rood Avenue-Grand Junction, Colorado 81501-(303) 245-3861	
SCALE 1"=1000' DATE 12-8-81 DRAWN BY CHECKED BY JWA DATE OF SURVEY 12-1-81	Clayton Investment Co. Shuttle #2 FIGURE 1
JOB NUMBER 813687	

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

109°15'
39°07'30"

12'30" R

T. 19 S.

T. 20 S.

T19S R24E
T20S R24E
(No UTM ties on
quad)

Access

Shuttle #2

Map of project area for Clayton Investment Company
Shuttle #2, U.S.G.S. 7½' series, Westwater 4 SW, Utah.

Proposed Well Location Shuttle #2

3 mile radius

Cisco Exit

T.20S. R.24E.

Interstate 70

Grand County, Utah

SCALE 4 MILES

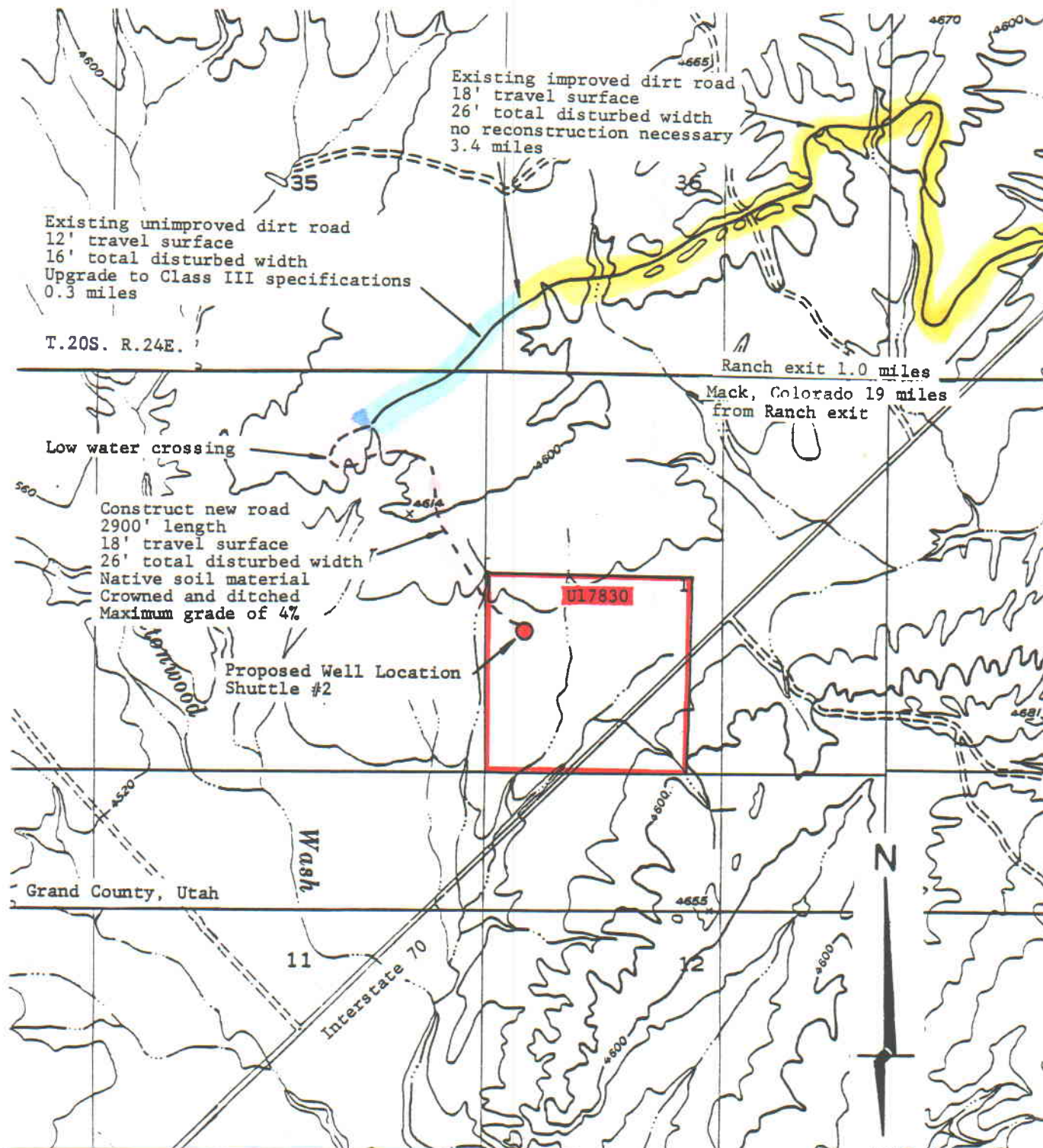
1977

As shown
Dec
MWD
Checked by
J.A. Bare
Dec

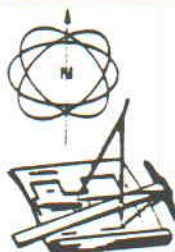
FIGURE 3

JOB NUMBER
813687

PLANNED ACCESS ROADS



WESTWATER 4 SW, UTAH
N3900-W10907.5/7.5



ARMSTRONG ENGINEERS and ASSOCIATES, INC.
ENGINEERING • SURVEYING • SOILS AND CONCRETE TESTING
861 ROOD AVENUE - GRAND JUNCTION, COLORADO 81501 - (303) 245-3861

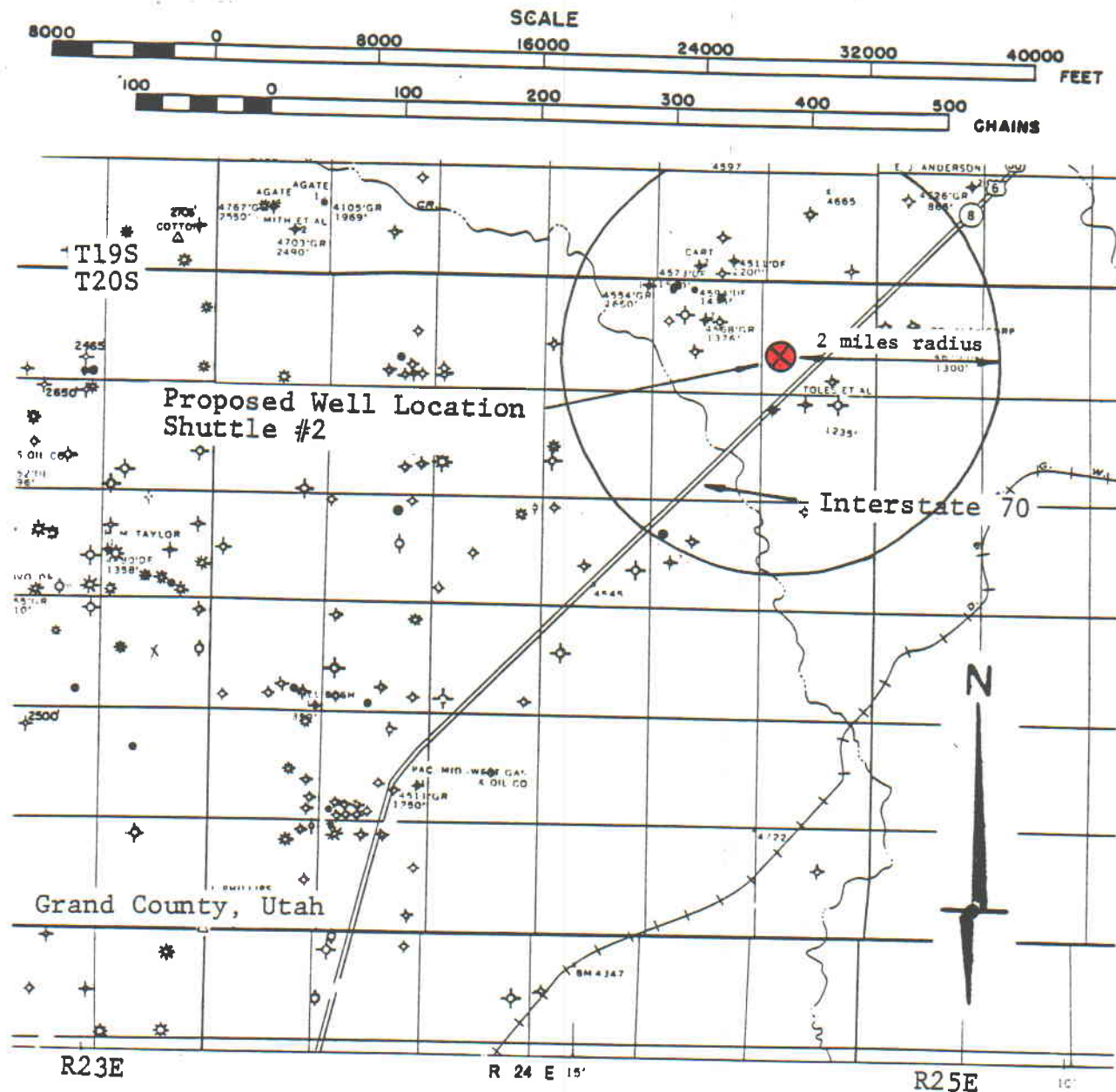
Scale = 2000'
Dec
MWD
J.A. Bare
Dec

Clayton Investment Co.
Shuttle #2

FIGURE 4

JOB NUMBER
813687

EXISTING WELLS



LEGEND

- LOCATION
- ✱ OIL & GAS WELL
- ✱ DRY HOLE
- ✱ ABANDONED OIL & GAS
- OIL WELL
- ✱ GAS WELL
- ✱ ABANDONED OIL WELL
- ✱ ABANDONED GAS WELL
- ✱ WATER WELL



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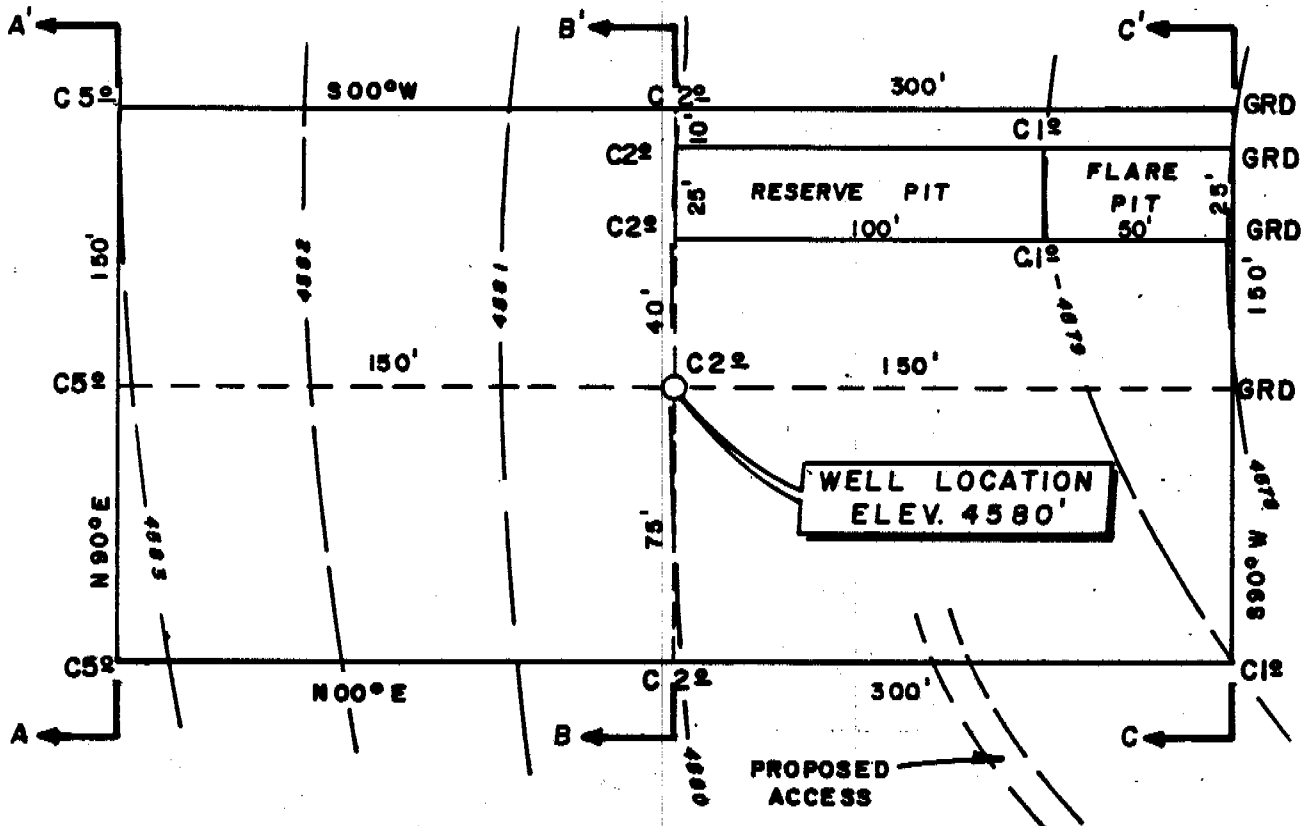
As shown
Dec
MWD
J. A. Bare
Dec

Clayton Investment Co.
Shuttle #2

Figure 4A

JOB NUMBER
813687

PAD TOPOGRAPHY



REF. PT. 200' NORTH ELEV. 4583
 REF. PT. 200' SOUTH ELEV. 4577
 REF. PT. 200' EAST ELEV. 4580
 REF. PT. 200' WEST ELEV. 4583
 VEGETATION: 25% COVER, SMALL
 SAGEBRUSH & GRASSES
 SOIL: SANDY SILT



ARMSTRONG ENGINEERS and ASSOCIATES, INC.
 ENGINEERING • SURVEYING • SOILS AND CONCRETE TESTING
 251 2000 AVENUE - GRAND JUNCTION, COLORADO 81501 - (303) 245-3851

1" = 50'
 12-8-81
 E.A.G.
 12-1-81

CLAYTON INVESTMENT CO.
 SHUTTLE #2

FIGURE 5

JOB NUMBER
 813687

Summary Report of Inspection for Cultural Resources

BLM Report ID No. 1 2 3 4 5 6 7 8 9 10

Report Acceptable Yes ☐ No ☐

Mitigation Acceptable Yes ☐ No ☐

Comments:

Development Company Clayton Investment Company (J. P. #1 Shuttle #2)

4. Antiquities Permit No. 82-UT-032

County Grand

TWN 1 9 S Range 2 4 E Section(s) 3 5 3 6
78 81 82 85 86 87 88 89 90 91 92 93

PQ= PONY EXPRESS, BR= BEAR RIVER, PR= PRICE RIVER, WS= WARM SPRINGS
 BC= BOOK CLIFFS, HR= HOUSE RANGE, SE= SEVIER RIVER,
 HM= HENRY MOUNTAINS, BE= BEAVER RIVER, DX= DIXIE
 KA= KANAB, ES= ESCALANTE, SJ= SAN JUAN, GR= GRAND
 SR= SAN RAFAEL, DM= DIAMOND MOUNTAIN.

Fill in spaces 65, 69, 81, 85, 97, 101 Only if:
V=Vernal Meridian
H=Half Township

• Description of Examination Procedures: 100% examination of project area with parallel transects spaced less than 100' (ca. 50-75') over well pad for total inspection of 10 acres, and 200' wide access R/W.

10. Inventory Type LI

R = Reconnaissance
I = Intensive
S = Statistical Sample

(*A parcel hard to cadastrally locate i.e., center of section)

No cultural resources were found.

13, Collection: N Y=Yes, N=No

4. Actual/Potential National Register Properties Affected:

None

5. Conclusion/Recommendations:

Archaeological clearance is recommended.

16. Signature and Title of Institutional Officer Responsible Thomas Babcock
Supervising Archaeologist

Note: Include only requested information in numbered spaces.

Company: Clayton Inv.
Well: Shuttle #2
Section: 10 S., R. 34 E.

ADDITIONS TO THE MULTIPOINT
SURFACE USE PLAN
AND
RECLAMATION PROCEDURES

CONSTRUCTION:

- 1). The operator or his contractor will contact the Grand Resource Area Office in Moab, Utah (phone (801) 259-6111) 48 hours prior to beginning any work on public land.
- 2). The dirt contractor will be furnished with an approved copy of the surface use plan and any additional BLM stipulations prior to any work.
- 3). Use of water from sources such as wells, springs, streams or stock ponds for activities associated with this well will be approved, prior to use, by the agency or individual holding the water right.
- 4). If subsurface cultural material is exposed during construction, work in that spot will stop immediately and the Grand Resource Area Office will be contacted. All employees working in the area will be informed by the operator that they will be subject to prosecution if they are caught disturbing archaeological sites or picking up artifacts. Salvage or excavation of identified archaeological sites will only be done if damage occurs.
- 5). Improvement to the existing road (will / will not) be necessary. The total disturbed width allowed will be 0515 feet. The allowable travel surface will be 0515 feet.

New road construction will be limited to an allowable travel surface width of 18 feet. For construction design and survey refer to class III road standards attachment. use low water crossings. On the Flats the access will be ditched on both sides and crowned with wing ditches wherever practical

~~Trees will be~~ where there are grades the access will have an inside ditch with drainage dips where practical to remove precipitation.

Topsoil will will not be saved along the route between the trees and the road.

Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

Surfacing material will not be placed on the access road or location without prior BLM approval.

6. Location: the location will remain as staked.

7. The top 12 inches of soil material will be removed from the location and ^{windrowed} ~~stockpiled~~ separate from the trees on the SE side of the location.

8. The reserve pit will will not be lined with commercial bentonite or plastic sufficient to prevent seepage. ~~away~~. The reserve pit banks will be 1.5 to 2.0 feet above pad and constructed in 8" lifts, machinery compacted, and sufficiently wide for equipment to pass over.

PRODUCTION

1. The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed in the methods described in the rehabilitation section. All of the stockpiled topsoil will be used in reclaiming the unused areas.
2. All above-ground production facilities will be painted using the attached suggested colors.
3. The access will be to the design of a class III road.

Rehabilitation

1. Immediately upon completion of drilling, the location and surrounding area will be cleared of all debris resulting from the operation. All trash will be disposed of in the trash pit/cage. Non-burnable debris will be hauled to a local town dump site.
2. The operator or his contractor will contact the Grand Resource Area BLM office in Moab, Utah, phone (801)259-6111, 48 hours prior to starting rehabilitation work that involves earthmoving equipment and upon completion of restoration measures.
3. Before any dirt work to restore the location takes place, the reserve pit must be completely dry and any trash (barrels, metal etc.) it contains must be removed from public lands.
4. All disturbed areas will be recontoured to blend as nearly as possible with the surrounding area.
5. The stockpiled topsoil will be evenly distributed over the disturbed area.
6. All disturbed areas will be scarified with the contour to a depth of 12 inches. Do not smooth pads out, leave a roughened surface.
7. Seed will be (broadcast/drilled) at a time to be specified by the BLM with the following seed prescription. When broadcast seeding, a harrow or some such implement will be dragged over the seeded area to assure seed cover.
8. After seeding is complete the stockpiled trees will be scattered evenly over the disturbed areas and walked down with a dozer. The access will be blocked to prevent any use/vehicle use.

9. Waterbars will be used on all sloping surfaces as shown below:

<u>Grade</u>	<u>Spacing</u>
2%	200 ft. spacing
2-4%	100 ft. spacing
4-5%	75 ft. spacing
+5%	50 ft. spacing

Dated this 9th Day of December, 1981

CLAYTON INVESTMENT COMPANY

by John A. Bane
Agent

George J. Duvachak US

Jeff Robbins - BLM

SEED MIXTURE

Grasses

Oryzopsis Hymenoides	Indian Ricegrass	1
Hilaria Jamesii	Curlygrass	1

Forbs

Sphaeralces Coccinea	Globemallow	.5
Melilotus Officinalis	Yellow sweetclover	.5

Shrubs

Eurotia Lanata	Winterfat	1
Atriplex Canescens	4-wing saltbush	<u>1</u>
		5

If broadcasting, seed will be applied at double the above rates.

Seeding will be done in the fall of the year, (Oct.-Dec.)

CLASS III ROADS

SECTION 1

SURVEY AND DESIGN

Definition - Class III roads are those existing or proposed roads which serve the development of a very limited area (i.e. one or two oil or gas wells) of a depletable natural resource. When the purpose for which the road was constructed no longer requires access, the road will be rehabilitated unless otherwise directed by BLM.

1. Field Survey Requirements

- (A) Establish a flag line along the route of construction. The flag line shall be sufficiently marked to insure construction control. Flag intervals shall not exceed 100 feet, or be intervals whichever is less.

2. Design Requirements

- (A) Design speed 15 mph.
- (B) Travel way width - minimum 16 feet, maximum 20 feet (exceptions may be made to width requirements if approved by BLM prior to construction).
- (C) Minimum horizontal curve radius, 115 feet (maximum degree of curve 50° unless a shorter radius is approved by BLM prior to construction).
- (D) The road shall be outsloped from 2 to 4 percent on side hill sections where the cross slope is greater than 10 percent but less than 65 percent, the road grade is less than 10 percent and the soil contains over 50 percent rock or gravel. On all other side hill sections the road shall have an inside ditch.
- (E) Maximum grade 10 percent (except pitch grades*)
- (F) Turnouts (on roads having a travel surface width of less than 20 feet) shall be located at intervals of 1,000 feet or within sight distance, whichever is less.
- (G) Culverts shall be used when they are the only alternative to drainage control.

* Pitch grades are defined as those grades exceeding 10% which are necessary because of topography, i.e. low water crossings. . Such grades shall not extend over 300 feet in length, nor shall they be used to circumvent the intent of these stipulations. Maximum pitch grade shall be 15 percent.

(H) Drainage control shall be insured over the entire road through the use of natural rolling topography, ditch turn outs, drainage dips, outsloping, or culverts.

The Company shall submit to the BLM two copies of a road location map prior to beginning construction. The map shall show the location and size of all culverts planned. Review of the road plan will be done by the BLM at or prior to the pre-drill conference.

3. Construction Control

The road shall be constructed along the approved flag line.

THE COMPANY SHALL PROVIDE A COMPETENT ON SITE INSPECTOR DURING CONSTRUCTION OF THE ROAD TO INSURE COMPLIANCE WITH ALL STIPULATIONS. THE INSPECTOR SHALL BE DESIGNATED AT THE PRE-DRILL CONFERENCE, AND SHALL BE GIVEN AN APPROVED COPY OF ALL MAPS AND STIPULATIONS PRIOR TO START OF CONSTRUCTION. THE BLM WILL ALSO DESIGNATE A REPRESENTATIVE FOR THE PROJECT AT THE PRE-DRILL CONFERENCE.

SECTION 2

CONSTRUCTION STANDARDS

1. Public Convenience and Safety

The Company shall take all necessary precautions for the protection of the work and safety of the public during construction of the road.

Warning signs shall be posted wherever directed during blasting operations.

2. Clearing and Grubbing

Clearing and grubbing shall be carried out on all sections of the road where side slopes are less than 60 percent.

All clearing and grubbing shall be confined to the limits of actual construction unless otherwise authorized by the BLM.

Branches of trees extending over the roadbed shall be trimmed to give a clear height of 14 feet above the roadbed surface. All perishable material resulting from clearing and grubbing operations shall be disposed of as specified at the pre-drill conference.

3. Excavation

Prior to beginning excavation and fill placement operations, all vegetation or debris within the designated limits of the roadway, except such objects as are designated to remain in place, are to be removed and disposed of as provided in Paragraph #2. All suitable material removed during excavation operation shall be used as far as practicable in the formation of the embankments and for other purposes as directed by the BLM. i.e. topsoil, stockpiling.

4. Embankment Construction

Embankment material shall not be placed when either the materials or the surface on which they will be placed are frozen or too wet (as determined by BLM) for satisfactory compaction.

The Contractor shall route his construction equipment over the layers of embankment material already in place to avoid uneven compaction anywhere along the travel route.

Borrow material shall not be used until all of the accessible roadway excavation has been placed in the embankments unless otherwise permitted by the BLM.

Furrow ditches shall conform to the slope, grade and shape of the required cross section, with no projections of roots, stumps, rocks or similar matter. Furrow ditches shall be "V" type ditches excavated to a depth of one foot minimum, below finished road surface. Furrow ditch backslopes shall not be cut flatter than 1 1/2:1. Furrow ditch "turn outs" 500 shall be constructed at intervals not exceeding 500 feet when the cross slope does not exceed 5 percent.

- (C) Seed application will be by seed drill or broadcasted and harrowed; other methods will require prior BLM approval.
- (D) Species and application rates are as follows:

Type of Grass Seed

Application Rate*

* These rates will be increased by 2.5 times if seed is broadcasted.

THE COMPANY SHALL COMPLETE CONSTRUCTION OF THIS ROAD IN ACCORDANCE WITH ALL STIPULATIONS AND HAVE IT APPROVED BY BLM PRIOR TO WELL SPUDGING.

All slopes, shoulders and road surfaces shall be finished smoothly and in accordance with the lines and grades shown on the drawings.

5. Drainage Dip Construction

Drainage dips shall be spaced in accordance with the following table:

Road grade (%)	Material				
	Hard sediment	Basalt	Granite	Glacial silt	Andesite
-----cross-drain spacing, feet -----					
2	165	155	135	135	105
4	150	135	125	120	90
6	145	130	115	110	80
8	135	125	110	105	75
10	125	115	95	95	65

Culvert pipes shall be used for cross drains on grades in excess of 10 percent.

(A) Construction Requirements

Construction shall be as specified in paragraphs 3 and 4, and as shown on the drawings.

6. Seeding

- (A) The Company shall carry out erosion control items of vegetation establishment during the season established for seeding. Vegetation establishment shall be completed on areas of disturbance as they are completed if actual construction is being accomplished during the seeding season.

Seeding shall be carried out on all of the areas described as follows:

- (1) On cut slopes, and shall extend from the bottom of the ditch to the top of the cut slope.
- (2) On embankment slopes, and shall extend from the roadway shoulder to the toe of the embankment slope.
- (3) On all borrow pit areas.
- (4) On all "side cast" in areas of full bench construction.

- (B) Seeding season shall be from September 15 to December 15, or as otherwise allowed by the BLM.

SECTION 3

ROAD MAINTENANCE STANDARDS

The completed road shall be maintained to the following standards as applicable for the term of use.

1. Travel Way

- (A) Roadbed is smooth, free of ruts, chuckholes, rocks, slides, washboards; crowned and/or sloped for drainage.
- (B) Free from excessive accumulation of dust pockets of layers which are a driving hazard or public nuisance.
- (C) Berms shall be absent along the shoulder.
- (D) Soft spots, such as those resulting from springs and seeps, shall be absent.

2. Shoulders

- (A) Shoulders are straight and present a uniform line with the surface free from large rocks, limbs, or stumps.

3. Ditches and Drainage Dips

- (A) Original cross section shall be maintained. Drainage area clear of rocks, slides and sediments.
- (B) Vegetation or sedimentation does not restrict ditch flow or reduce the waterway area.
- (C) Ditch bottom is stable and is not excessively eroded.
- (D) Back slope area above ditches is stable.

4. Other Related Road Features

- (A) Right-of-way free of excessive or objectional litter.

5. Fences, Gates and Cattleguards

- (A) Posts are sound, plumb and secure.
- (B) Wire is tight and securely fastened to the posts.
- (C) Stays are uniformly spaced and vertical between posts and affixed to keep the strands properly spaced.
- (D) Rock deadmen are properly secured to the fence.

- (E) Gates are free from deterioration, damage to structural sections or loose hardware.
- (F) Cattleguard pits are clean and functional. End wings securely fastened and serviceable. Guard and base in serviceable condition.

6. Fords and Low Water Crossings

- (A) There is a smooth transition between road and ford.
- (B) No excessive erosion adjacent to the structure.
- (C) The surface of the structure is clear of debris, brush, rocks and sediment.
- (D) Bottom of crossing is level with stream bottom.

7. Safety and Hazard Control

- (A) Sight distance free of shrubs, trees and obstacles and meets design standards.
- (B) Travel way and ditches free of overhanging trees and limbs. No down trees or branches in ditch area.
- (C) No unstable material above the roadway.

SECTION 4

ROAD RECLAMATION STANDARDS

1. Natural contours will be restored wherever practical. Roads with significant cuts will have fill material placed back onto cut sections using care not to mix topsoils with base material.
2. All road surfaces shall be ripped, scarified, or otherwise roughened as directed by BLM to insure increased water infiltration and a properly prepared seed bed.
3. All road berms will be removed and recontoured.
4. Waterbars will be used on all sloping surfaces as shown below:

<u>Grade</u>	<u>Spacing</u>
2%	200 ft. spacing
2-4%	100 ft. spacing
4-5%	75 ft. spacing
+5%	50 ft. spacing

5. Rehabilitated areas will be seeded as follows:

<u>Species</u>	<u>Rate *</u>
----------------	---------------

* These rates will increase 2.5 times if broadcasted.

Identification CER/EA No. 104-82

United States Department of the Interior
Geological Survey
2000 Administration Bldg.
1745 West 1700 South
Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator Clayton Investments Company
Project Type Oil Well - Development
Project Location 2093' FSL & 548' FWL - Sec. 1, T. 20S, R. 24E
Well No. Shuttle #2 Lease No. U-17830
Date Project Submitted December 22, 1981

FIELD INSPECTION

Date December 9, 1981

Field Inspection
Participants

Craig Hansen - USGS, Vernal

George Diwachak - USGS, Salt Lake City

Elmer Duncan - BLM, Moab

Jeff Robbins - BLM, Moab

Olie Knutson - Dirt Contractor

Related Environmental Documents: _____

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

1-4-82
Date Prepared

[Signature]
Environmental Scientist

I concur

1/11/82
Date

[Signature]
District Supervisor

Typed In

1-8-82

Typing Out

1-8-82

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 DM 2.3.A	Federal/State Agency			Local and private corre- spondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Corre- spondence (date)	Phone check (date)	Meeting (date)						
Public health and safety	Bim -8782						2	2/4/6	
Unique charac- teristics	1						2	2/4/6	
Environmentally controversial	1						2	2/4/6	
Uncertain and unknown risks	1						2	2/4/6	
Establishes precedents	1						2	2/4/6	
Cumulatively significant	1						2	2/4/6	
National Register historic places	1								
Endangered/ threatened species	1								
Violate Federal, State, local, tribal law	1								

CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND

1. Surface Management Agency Input
2. Reviews Reports, or information received from Geological Survey
(Conservation Division, Geological Division, Water Resource Division,
Topographic Division)
3. Lease Stipulations/Terms
4. Application Permit to Drill
5. Operator Correspondence
6. Field Observation
7. Private Rehabilitation Agreement





United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Moab District
Grand Resource Area
P. O. Box M
Moab, Utah 84532

IN REPLY REFER TO

3109
(U-068)

JAN 5 1982

Memorandum

To: District Engineer
USGS Conservation Division
P. O. Box 1037
Vernal, Utah 84078

From: Area Manager, Grand

Subject: Clayton Investment Company, Shuttle #2

We concur with approval of the application for Permit to Drill.

Enclosure: (1)
1-Right-of-Way

RECEIVED

TEMPORAR

Application No. 56986

OCT 21 1981

APPLICATION TO APPROPRIATE WATER
STATE OF UTAH

01-154

SEP 23

NOTE:—The information given in the following blanks should be free from explanatory matter, but when necessary, a complete supplementary statement should be made on the following page under the heading "Explanatory."

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, for uses indicated by (X) in the proper box or boxes, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

1. Irrigation ☐ Domestic ☐ Stockwatering ☐ Municipal ☐ Power ☐ Mining ☐ Other Uses ☒
2. The name of the applicant is Knut & Sons Construction
3. The Post Office address of the applicant is 1180 East Knutson Corner Moab, Utah 84532
4. The quantity of water to be appropriated _____ second-feet and/or 4.0 acre-feet
5. The water is to be used for Industrial from September 1981 August 1982
(Major Purpose) (Month) (Day) (Month) (Day)
other use period _____ from _____ to _____
(Minor Purpose) (Month) (Day) (Month) (Day)
and stored each year (if stored) from _____ to _____
(Month) (Day) (Month) (Day)
6. The drainage area to which the direct source of supply belongs is _____
(Leave Blank)
7. The direct source of supply is* Cisco Wash

which is tributary to _____, tributary to _____

*Note.—Where water is to be diverted from a well, a tunnel, or drain, the source should be designated as "Underground Water" in the first space and the remaining spaces should be left blank. If the source is a stream, a spring, a spring area, or a drain, so indicate in the first space, giving its name, if named, and in the remaining spaces, designate the stream channels to which it is tributary, even though the water may sink, evaporate, or be diverted before reaching said channels. If water from a spring flows in a natural surface channel before being diverted, the direct source should be designated as a stream and not a spring.

8. The point of diversion from the source is in Grand County, situated at a point* N. 1000 ft. & W. 420 ft. from S $\frac{1}{2}$ Cor. Sec. 9, T20S, R23E, SLB&M.

(1 mile south of Cisco Springs) Cisco Springs Quad

*Note.--The point of diversion must be located definitely by course and distance or by giving the distances north or south, and east or west with reference to a United States land survey corner or United States mineral monument, if within a distance of six miles of either, or if at a greater distance, to some prominent and permanent natural object. No application will be received for filling in which the point of diversion is not defined definitely.

9. The diverting and carrying works will consist of sump in stream, portable pump and tank truck to place of use
10. If water is to be stored, give capacity of reservoir in acre-feet _____ height of dam _____ area inundated in acres _____ legal subdivision of area inundated _____
11. If application is for irrigation purposes, the legal subdivisions of the area irrigated are as follows:

_____ Total _____ Acres
12. Is the land owned by the applicant? Yes _____ No X If "No," explain on page 2.
13. Is this water to be used supplementally with other water rights? Yes _____ No X If "yes," identify other water rights on page 2.
14. If application is for power purposes, describe type of plant, size and rated capacity. _____
15. If application is for mining, the water will be used in _____ Mining District at the _____ mine, where the following ores are mined _____
16. If application is for stockwatering purposes, number and kind of stock watered _____
17. If application is for domestic purposes, number of persons _____, or families _____
18. If application is for municipal purposes, name of municipality _____
19. If application is for other uses, include general description of proposed uses Water for exploration drilling
20. Give place of use by legal subdivision of the United States Land Survey for all uses described in paragraphs 14 to 19, incl. NEXSEK, NEXNW Sec. 24, T20S, R23E, SLB&M
21. The use of water as set forth in this application will consume 4.0 second-foot and/or acre-foot of water and _____ second feet and/ or acre feet will be returned to the natural stream or source at a point described as follows: _____

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. A vertical margin line is present on the left side, creating a narrow left margin. The paper appears to be from a notebook or a standard ruled document. There are some minor dark spots or smudges near the top center of the page.

The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purpose herein described

Signature of Applicant*

DECLARATION OF CITIZENSHIP

STATE OF UTAH,
County of.....Grand..... } ss

On the 22nd day of September, 1981, personally appeared before me, a notary public for the State of Utah, the above applicant who, on oath, declared that he is a citizen of the United States, or has declared his intention to become such a citizen.

My commission expires:

1-21-85

(SEAL)


Notary Public

EMBOLDY

FEES FOR APPLICATIONS TO APPROPRIATE WATER IN UTAH

Flow rate — c.f.s.	Cost	
0.0 to 0.1	\$ 15.00	
over 0.1 to 0.5	30.00	
over 0.5 to 1.0	45.00	
over 1.0 to 15.0	45.00	plus \$7.50 for each cfs above the first cubic foot per second.
over 15.0	150.00	
Storage — acre-feet		
0 to 20	22.50	
over 20 to 500	45.00	
over 500 to 7500	45.00	plus \$7.50 for each 500 a.f. above the first 500 acre feet.
over 7500	150.00	

(This section is not to be filled in by applicant)

STATE ENGINEER'S ENDORSEMENTS

1. Sept. 23, 1981 Application received by mail over counter in State Engineer's office by JP
2. Priority of Application brought down to, on account of
3. 10-1-81 Application fee, \$ 1500, received by CG Rec. No. 11881
4. Application microfilmed by Roll No.
5. 10-5-81 Indexed by CG Platted by
6. 9-25-81 Application examined by JP
7. Application returned, or corrected by office
8. Corrected Application resubmitted by mail over counter to State Engineer's office.
9. 9-25-81 Application approved for advertisement by JP
10. Notice to water users prepared by
11. Publication began; was completed
12. Notice published in
13. Proof slips checked by
14. Application protested by
15. Publisher paid by M.E.V. No.
16. Hearing held by
17. 9-25-81 Field examination by
18. 10/9/81 Application designated for approval rejection 56 & MP
19. 10/9/81 Application copied or photostated by slf proofread by
20. 10/9/81 Application approved rejected
20. Conditions:

This Application is approved, subject to prior rights, as follows:

 - a. Actual construction work shall be diligently prosecuted to completion.
 - b. Proof of Appropriation shall be submitted to the State Engineer's office by NPR
 - c. TEMPORARY APPROVAL---EXPIRES August 31, 1982.
21. Time for making Proof of Appropriation extended to
22. Proof of Appropriation submitted.
23. Certificate of Appropriation, No., issued

Dee C. Hansen, P.E., State Engineer

TEMPORARY

Application No. 56986
01-154

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE: Salt Lake City, Utah
SERIAL No.: U-17830

and hereby designates

NAME: Clayton Investment Company
ADDRESS: 710 East 20th Street
Farmington, NM 87401

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

SW 1/4, Section 1, Township 20 S, Range 24 E, SLB&M
Grand County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.
This document supersedes any previous designation of operator document submitted.

ARI-MEX OIL & EXPLORATION, INC.

BY: 
(Signature of lessee)

P. O. Box 249, Moab, UT 84532

(Address)

12/14/81
(Date)



United States Department of the Interior

IN REPLY REFER TO

3109
(U-068)

BUREAU OF LAND MANAGEMENT
Moab District
Grand Resource Area
P.O. Box M
Moab, Utah 81502

NOV 24 1981

Mr. John A. Bare
Armstrong & Associates
861 Rood Avenue
Grand Junction, CO 81501

Reference: Staking Request (PER)
Company: Clayton Investment Co. Lease: U-17830
Well: Shuttle #2
Section 1, T. 20 S., R. 24 E.
Grand County, Utah

Dear Mr. Bare:

This office has no objections to staking the above referenced locations. Would you include your bond number when submitting your application to drill. In addition, you should be knowledgeable that Grand County requires a permit if you plan to use a county road as a portion of your access road. You should contact the Grand County Road Supervisor. An archaeological clearance must be obtained after staking the site.

Sincerely yours,

Colin P. Christensen
Area Manager

cc:
Grand County Road Supervisor
USGS Conservation Division

GRAND COUNTY ROAD DEPARTMENT

Application for Right-of-Way Encroachment Permit

Date December 16 19 81

To: Road Supervisor
Grand County Road Department

Application is hereby made by: (1) CLAYTON INVESTMENT COMPANY

Address (2) c/o 861 Road Ave GRAND JUNCTION, CO. 81501

Telephone number (303) 245-3861 for permission to do the following: (3)

USE EXISTING IMPROVED DIRT ROAD KNOWN AS SULFUR RD. to haul
DRILL RIG & ASSOCIATED TRAFFIC TO & FROM PROPOSED WELL LOCATION
RANCH EXIT (WESTWATER) T-70 FOR A DISTANCE OF 4.7 miles ON SULFUR ROAD.

(4) Location: NW 1/4, SW 1/4 SECTION 1, T20S, R24E, S6B&M
GRAND County, UTAH

City CISCO, UTAH County GRAND State or U.S. Highway No.
Interstate 70 Milepost No. 180 in accordance with the attached plan. (5)

(6) Construction will begin on or about JAN. 5 19 82
and will be completed on or before MARCH 1 19 82

If the proposed installation requires breaking of the pavement, give the following information:

a. Type of pavement: NA

b. The opening to be made will be _____ feet long by _____
feet wide and _____ feet deep.

c. A bond in the amount of \$ _____ has been posted with

Telephone number _____, to run for a term of
three (3) years after completion of work to guarantee satisfactory performance.

If this permit is granted, we agree to comply with all conditions, restrictions and regulations as contained in the "Regulations for the Control and Protection of State Highway Rights-of-Way" approved by the Utah State Road Commission on October 8, 1962, and all revisions thereto.

Clayton Investment Co. Owner

By Linda W. Wright agent Signature

AGENT Title

To be filled in by Road Supervisor

- (1) Permit ☐ should ☐ should not be granted.
(2) Additional requirements which should be imposed.

[Signature]
Road Supervisor

DESIGNATION OF AGENT

The undersigned operator hereby designates ARMSTRONG & ASSOCIATES, INC. of 861 Rood Avenue, Grand Junction, Colorado 81501 as his local agent with authority to act in his behalf in the acquisition of rights of way and permits including but not limited to County, State, and Federal permits and rights of way.

It is understood that this designation of agent does not relieve the operator of responsibility for compliance with the terms of the lease and the operating regulations. It is also understood that this designation of agent does not constitute an assignment of any interest in the lease or any operating rights.

Dated this 19th day of November, 19 81.

By: Charles R. Berthelme
TITLE

CONSULTING GEOLOGIST

NAME OF OPERATOR

Clayton Investment Company

ADDRESS

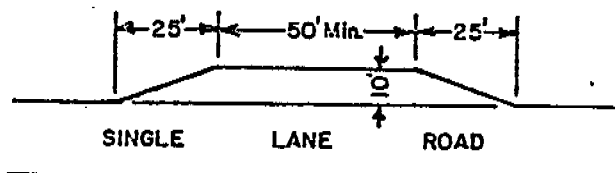
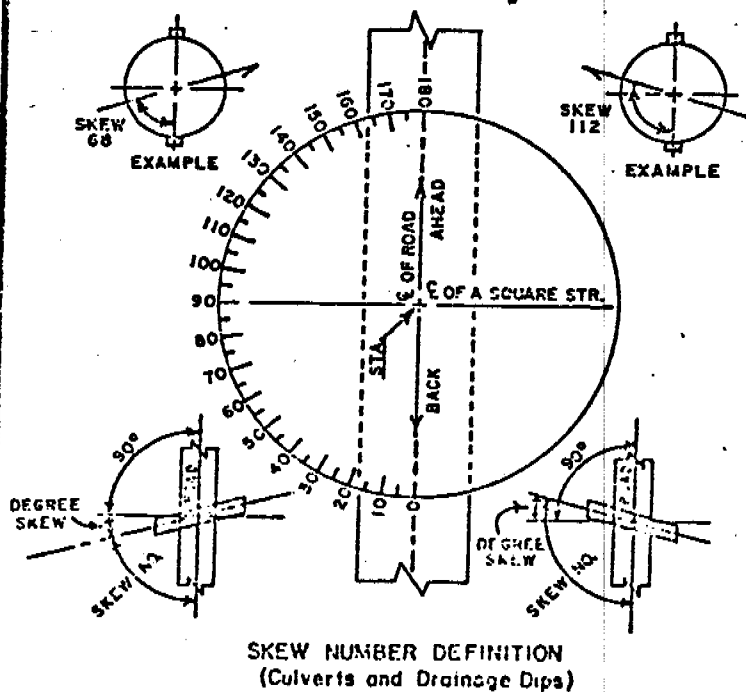
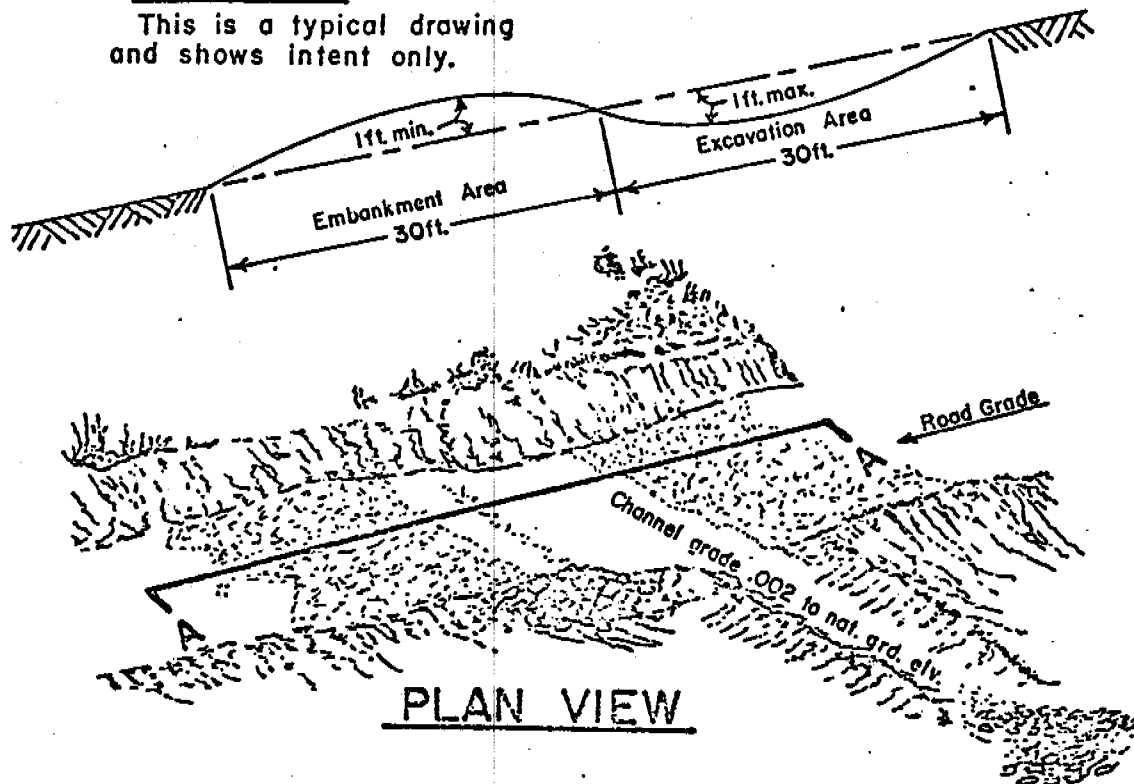
P. O. Box 1367

Farmington, NM 87401

TYPICAL DRAINAGE DIP SECTION A-A

NOTE:

This is a typical drawing and shows intent only.

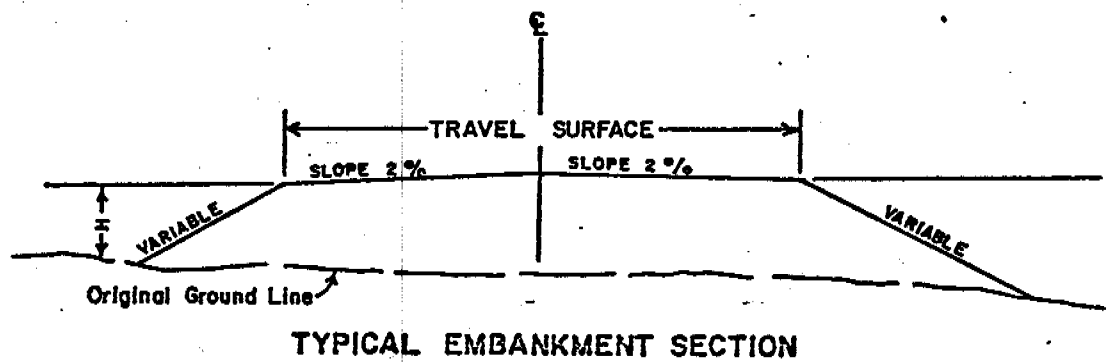
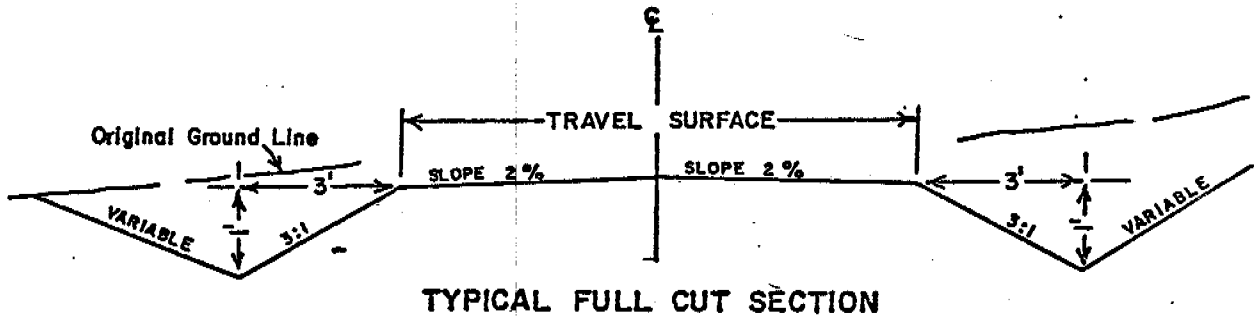
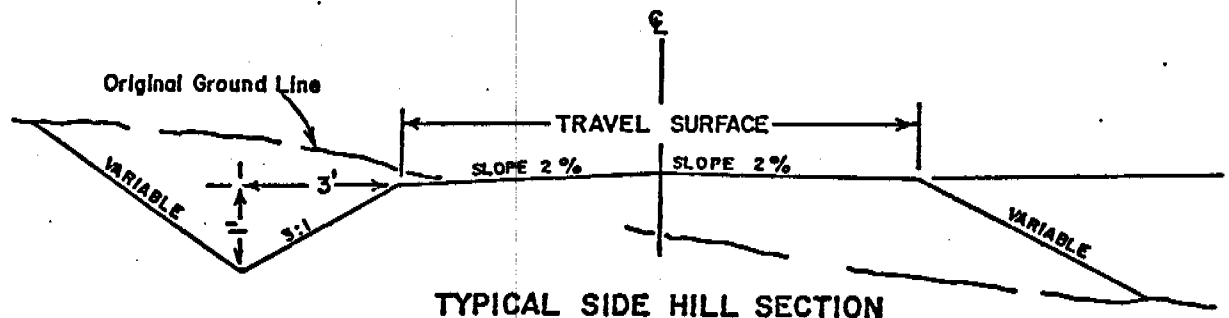


TYPICAL TURNOUT

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

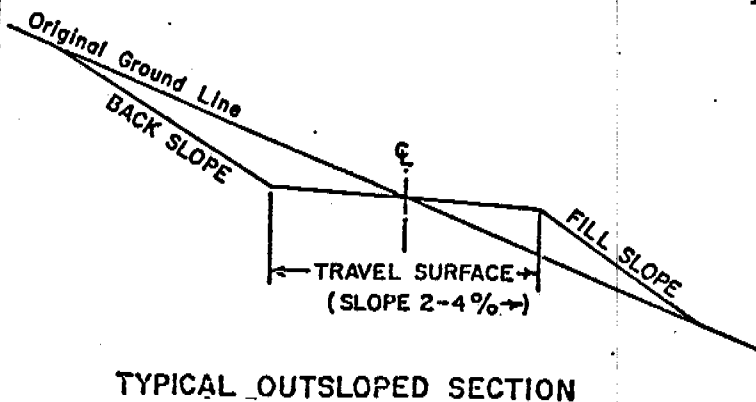
TYPICAL ROAD SECTIONS

DESIGNED <u>R.A.D.</u>	RECOMM. _____
DRAWN <u>J.H.S.</u>	RECOMM. <u>Robert G. Dallas</u>
CHECKED <u>RAD</u>	APPROVED <u>Col. F. C. Smith</u>
SCALE NONE	
DATE <u>8-5-81</u>	SHEET _____ OF _____
DRAWING NO. _____	

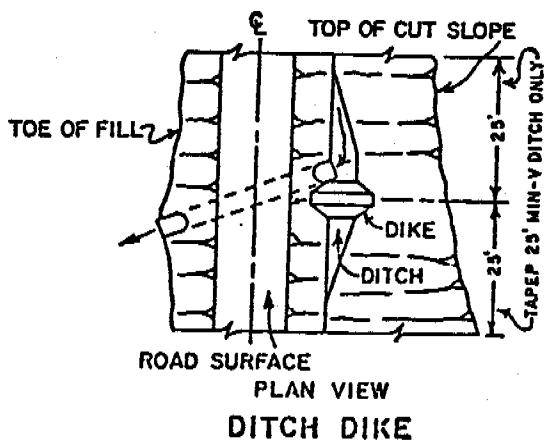
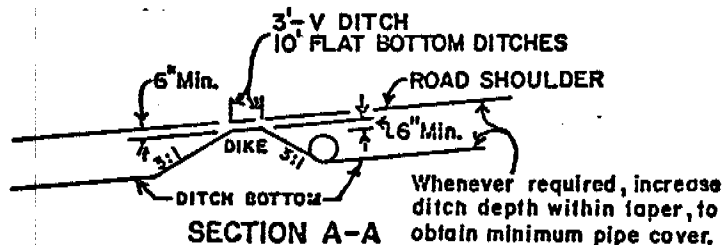
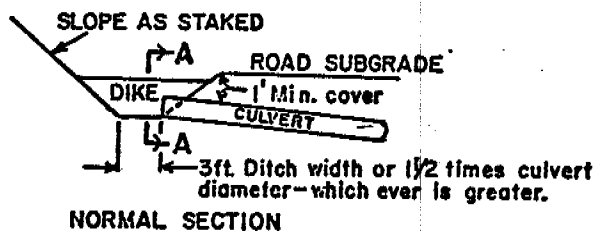
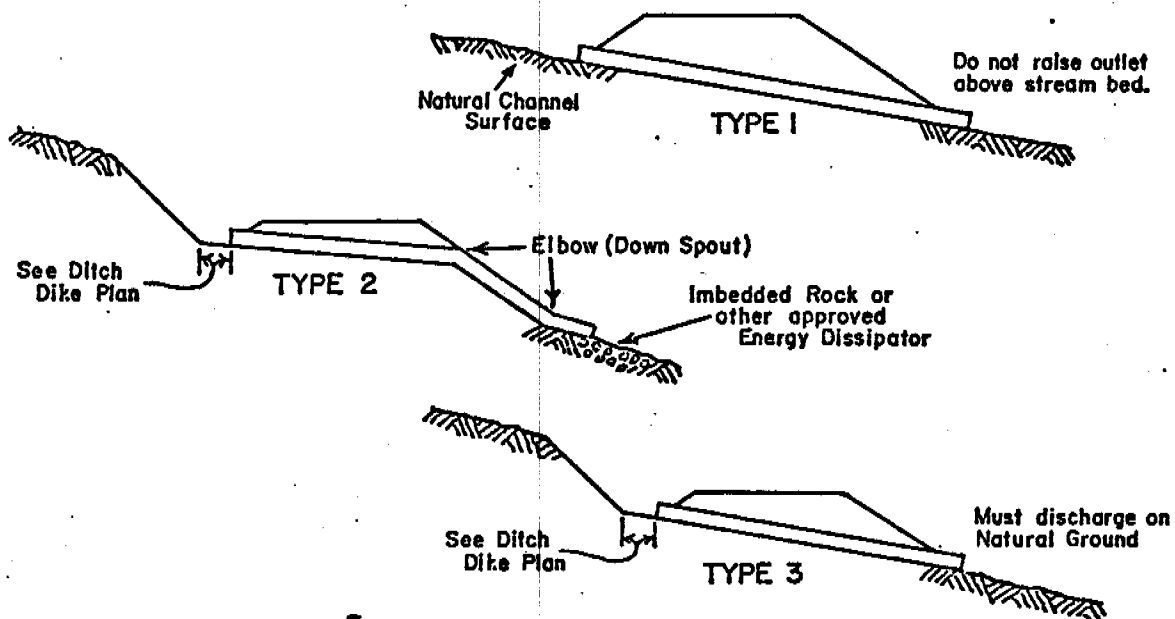


<u>Soil Conditions</u>	<u>Natural Ground Slope</u>	<u>Back Slope</u>
Normal Soil	0 - 30 %	1 1/2 : 1
Normal Soil	30 - 55 %	1 : 1
Normal Soil	55 % and over	3/4 : 1
Solid Rock	All Slopes	1/4 : 1

When the cuts are relatively shallow (under 4 feet), flatter slopes of 2 to 1 or 3 to 1 may be used.



U. S. DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT	
TYPICAL ROAD SECTIONS (Class III)	
DESIGNED <u>R.A.D.</u>	RECOMM. _____
DRAWN <u>J.H.S.</u>	RECOMM. <u>Robert H. Hines</u>
CHECKED <u>RAD</u>	APPROVED <u>Robert H. Hines</u>
SCALE NONE	
DATE <u>8-5-51</u>	SHEET <u> </u> OF <u> </u>
DRAWING NO. _____	



U. S. DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT	
TYPICAL CULVERT INSTALLATIONS	
DESIGNED R.A.D.	RECOMM. _____
DRAWN J.H.S.	RECOMM. <i>John A. Sullivan</i>
CHECKED <i>Bill</i>	APPROVED <i>John A. Sullivan</i>
SCALE NONE	
DATE 3-5-81	SHEET OF _____
DRAWING NO.	

APPLICATION FOR PERMIT TO DRILL

FOR

CLAYTON INVESTMENT COMPANY

SHUTTLE #2

NW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 1, T.20S., R.24E., SLB&M

GRAND COUNTY, COLORADO

Prepared by:

Michael W. Drissel

Armstrong & Associates, Inc.

861 Rood Avenue

Grand Junction, Colorado 81501

(303) 245-3861

Job # 813687

December, 1981

ARMSTRONG & ASSOCIATES, INC.

ENGINEERS-ARCHITECTS

10 POINT PLAN

Clayton Investment Company - Shuttle #2

1. Geologic Name of Surface Formation

The surface formation is the Mancos Formation.

2. Estimated Tops of Important Geologic Markers

Dakota	900
Entrada	1500
Total Depth	1500

3. Estimated Depths of Water, Oil, Gas, or Minerals

Oil and gas 1500 feet to total depth.

4. Proposed Casing Program

(a) Set 7 inch new 23#, N-80, ST&C, to 150 feet in 8-3/4 inch hole; circulate cement to surface.

(b) Set 4½ inch new, 11.6#, K-55, ST&C to 1500 feet in 6¼ inch hole; cement with 50 sacks Class "G", no additives.

5. Operator's Minimum Specifications for Pressure Control

A schematic diagram of the blowout preventer equipment is attached. The BOP will be hydraulically tested to full working pressure after nipping up and after any use under pressure.

Pipe rams will be operationally checked each 24 hour period. Blind rams and annular preventer will be checked each time pipe is pulled out of the hole. All checks of the BOP will be noted on the daily drilling report.

Accessories to BOP will include an upper and lower Kelly cock, floor safety valve, drill string BOP and choke manifold with pressure rating equivalent to BOP stack.

6. Type and Characteristics of Proposed Circulating Mediums

The well will be drilled with air, and air mist as needed to 1500 feet, 200 barrels of 8.5 to 9# fresh water mud will be mixed up for use in case it is needed to kill well or for logging operations.

7. Auxiliary Equipment

- (a) A Kelly cock will be kept on the string at all times.
- (b) A mud logging unit and gas detecting device will monitor the system.
- (c) A stabbing valve will be on the floor to be stabbed into the drill pipe when the Kelly is not in the string.
- (d) Fire float will be used. Fire stop and conventional float will be used at bit.

8. Testing, Logging, and Coring Programs

The logging program will consist of a dual induction guard log, formation density compensated and compensated neutron density log. No coring or drill stem testing is planned at this time.

Drilling plans call for selectively perforating the oil zone.

9. Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures have been noted or reported in wells drilled in the area or at the depths proposed in this well.

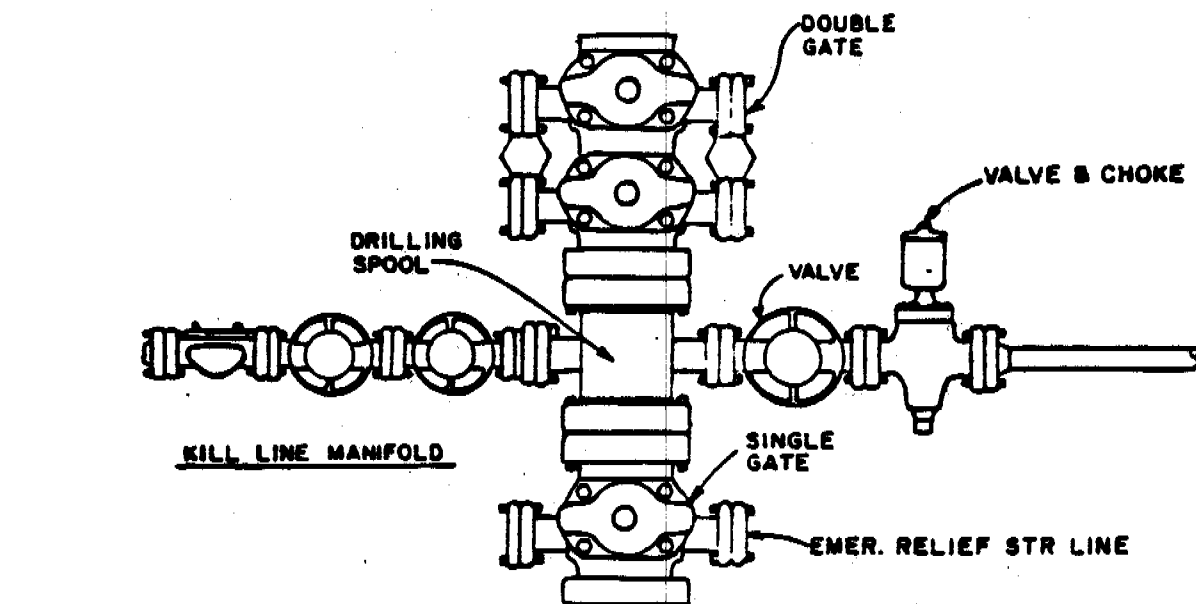
No hydrogen sulfide or other hazardous fluids or gasses are expected.

10. Anticipated Starting Date and Duration

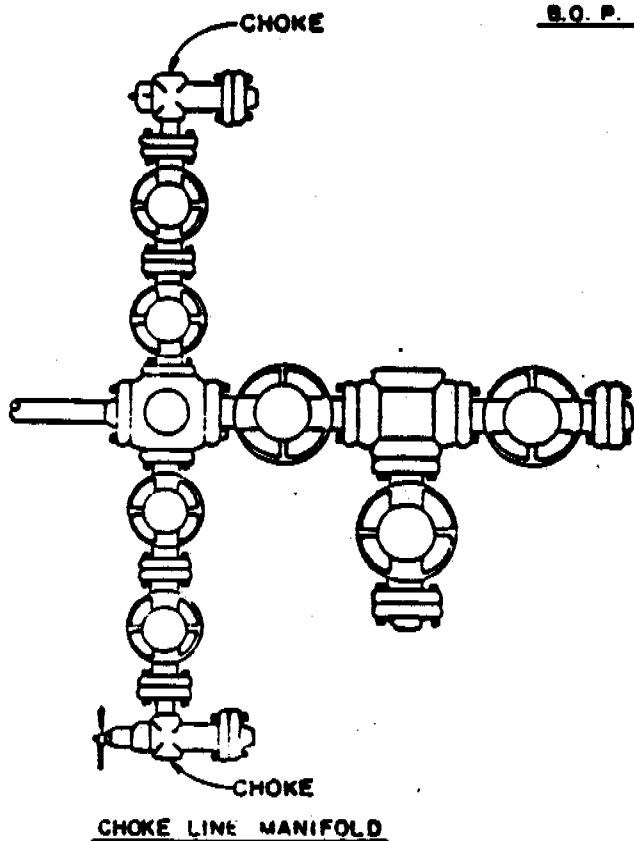
The anticipated starting date for this well is January 21, 1981 or as soon thereafter as possible depending upon the availability of a drilling rig and approval of the permit to drill.

Rigging up is anticipated to take 2 days, and drilling should be completed within 7-10 days after spudding the well and drilling to casing point.

BLOW OUT PREVENTOR



B.O.P. STACK



	ARMSTRONG ENGINEERS and ASSOCIATES, INC. ENGINEERING • SURVEYING • SOILS AND CONCRETE TESTING 861 ROOD AVENUE - GRAND JUNCTION, COLORADO 81501 - (303) 245-3861		
	No Scale	Clayton Investment Co. Shuttle #2	
	Dec		
	MWD		
	JAB	FIGURE 1A	JOB NUMBER 813687
	Dec		

SURFACE USE AND OPERATIONS PLAN

Clayton Investment Company - Shuttle #2

1. Existing Roads

The proposed well is located approximately 9 miles Northeast of Cisco, Utah, see Figure 3.

The route to be used for access to the proposed well is as follows: from the Ranch exit on I-70, 6 miles east of Cisco, Utah; go northerly along bladed dirt road, road winds easterly then northerly again approximately 2 miles to a "T" intersection; then left on bladed dirt road southwesterly approximately 1.4 miles; then left on unimproved dirt road southerly approximately .3 miles to the beginning of the new road to be constructed; continue southeasterly 2900 feet to the proposed well site.

The surface, condition, and load capacity of all roads within a 3 mile radius of the proposed well are as follows:

- a. (County Road - Sulfur Road), native dirt surfacing, 18 ft. travel surface, 26-30 ft. total disturbed width.
- b. Unnamed BLM road(s), native dirt surfacing, 10 ft. travel surface, 12-14 ft. total disturbed width.
- c. Interstate Highway I-70.

2. Planned Access Road

All new roads to be constructed and existing roads to be reconstructed are shown on the attached drawing entitled "Planned Access Roads".

3. Existing Wells

Within a 2 mile radius of the proposed well, there are several producing wells; see Figure 4A.

4. Existing and Proposed Facilities

Clayton Investment Company has no facilities, owned or controlled, within a 1-mile radius of the proposed well location.

All proposed production facilities are shown on the attached drawing entitled "Production Facilities".

To protect livestock and wildlife, all pits will be enclosed by a stock-tight fence. A welded-pipe guard will be installed around the wellhead.

Upon removal of production equipment, all disturbed areas will be rehabilitated, see item 10. below.

5. Location and Type of Water Supply

Drilling water for the proposed well will come from Cisco Spring (SW $\frac{1}{4}$ Sec. 4 T.20S., R.23E., SLB&M). A water use authorization is attached. Water will be transported by truck over existing public roads and the proposed access road. No other access roads or pipelines will be constructed for transporting water.

6. Source of Construction Materials

Construction materials for the proposed well pad and access road will be native borrow material accumulated during construction.

If additional material such as sand or gravel should become necessary, it will be obtained from the nearest commercial pit and will be hauled to the work area via existing public roads and the proposed access road.

7. Methods for Handling Waste Disposal

Cuttings, drilling fluids, and produced fluids will be disposed of in the reserve pit.

Dust produced during drilling operations will be suppressed by water misting.

A portable chemical toilet will be provided for human waste disposal during drilling operations.

Garbage, trash, and other waste material will be contained in a fine-mesh wire trash cage. The trash cage will be hauled away by truck for disposal at an approved disposal site. Upon completion of drilling, the trash cage will be removed and all waste material will be cleaned up and removed from the well location.

8. Ancillary Facilities

There will be no camps, airstrips, off-site staging areas or other ancillary facilities for the proposed well.

9. Well Site Layout

See attached drawings entitled "Pad Topography", "Cross Sections", and "Rig Layout".

10. Plans for Restoration of the Surface

In the event of a dry hole or upon eventual abandonment of the well, the well pad and access road will be rehabilitated.

Waste material will be removed from the well pad, see item 7 above.

The fill material on the well pad and access road will be pushed back into the cut areas to return the surface as nearly as possible to its original contour. The slope of the well location prior to construction is approximately 4%. After rehabilitation, the well pad will be restored to a slope of 4% which should afford excellent revegetation success.

After recontouring the well pad and access road, the previously stockpiled surface material will be spread over the disturbed areas. All disturbed areas will be reseeded in accordance with seed list attached.

The reserve pit will be fenced on three sides prior to the start of drilling and will be fenced on the fourth side prior to rig release. All other pits will be fenced and will be so maintained until final cleanup.

All above ground facilities will be painted to blend with surrounding vegetation.

The proposed timetable for rehabilitation operations is as follows:

Restoration activities will begin within 90 days after completion of the well. Final cleanup will be completed within 30 days after start of work, but will be delayed until the reserve pit has dried up. Reseeding will be done in the fall of the year after completion of final cleanup. (See attachment for specific reseeding mixtures).

11. Other Information

The surface ownership for the well location and for all lands to be crossed by newly constructed or upgraded roads is BLM and the State of Utah.

Surface use activities in the area of the proposed well are winter livestock grazing, petroleum production, and recreation.

The topography of the area is shown on the Danish Flat, and Westwater 4SW, Utah Quadrangles, USGS 7.5 Minute Series, Grand County, Utah.

Soils in the area are light brown sandy silt (Type ML) with numerous small wind polished rocks on the surface. The soil surface contains approximately 10% rocks.

Vegetation in the area is of semi-desert type, dominated by saltbush and rabbitbrush.

The subject area provides habitat for various game and non-game mammals, as well as birds, reptiles and insects.

There are no known endangered species of plants or animals in the subject area.

All construction and rehabilitation will be done in accordance with "Additions to the Multipoint Surface Use Plan and Reclamation Procedures" and BLM specifications "Class III Roads" attached.

12. Authorized Representative

Clayton Investment Company's authorized field representative responsible for assuring compliance with this surface use and operations plan is Charles Bartholomew whose address is:

109 Glade Park Road, Grand Junction, Colorado 81503,
telephone number: (303) 242-0484

13. Certification

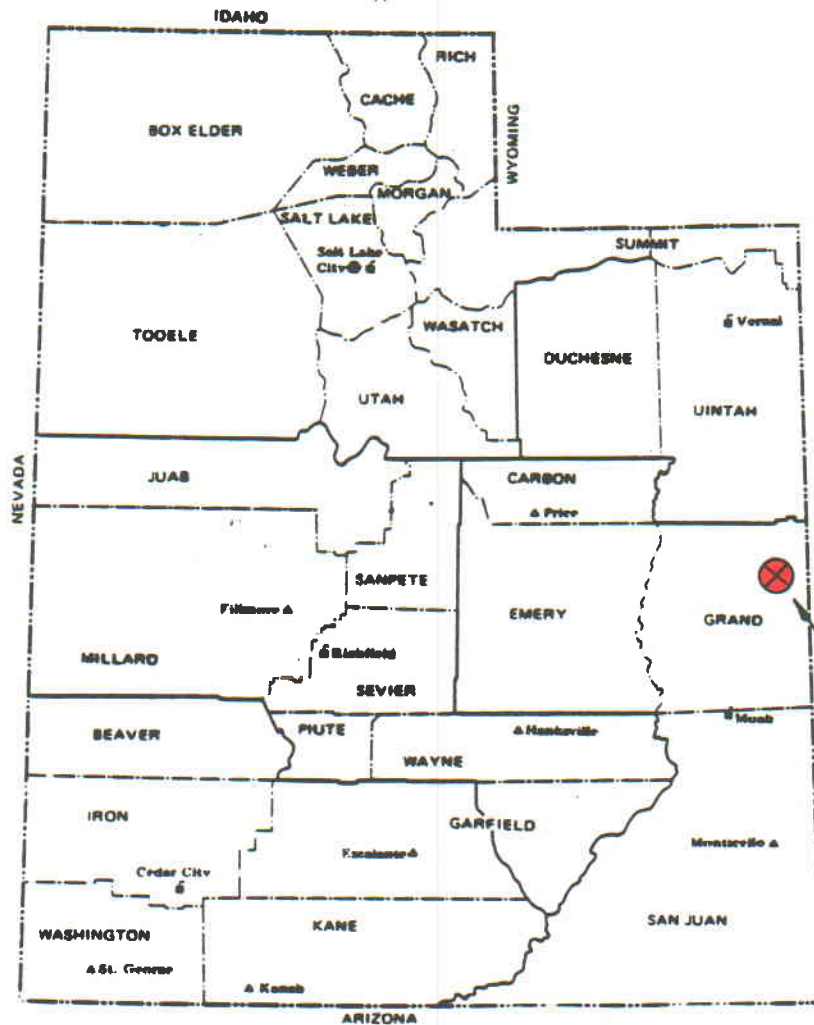
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Clayton Investment Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

12-22-81

Date

Michael W. Derisat - Agent
Charles Bartholomew, Geologist

AREA MAP



Proposed
Well
Location



UTAH

LEGEND

- State Office
- District Office
- ▲ Area Office

— BLM District Boundaries

- - - County Boundaries



ARMSTRONG ENGINEERS and ASSOCIATES, INC.
ENGINEERING • SURVEYING • SOILS AND CONCRETE TESTING
861 ROOD AVENUE - GRAND JUNCTION, COLORADO 81501 - (303) 245-3861

Scale = 75MI

DATE
Dec

CREATED BY
MWD

CHECKED BY
J.A. Bare

DATE OF SURVEY
Dec

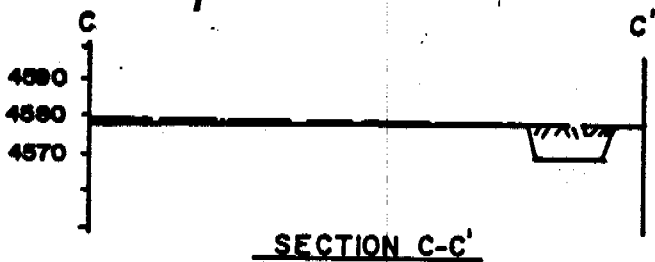
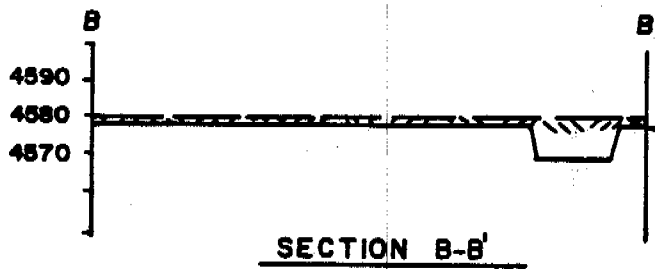
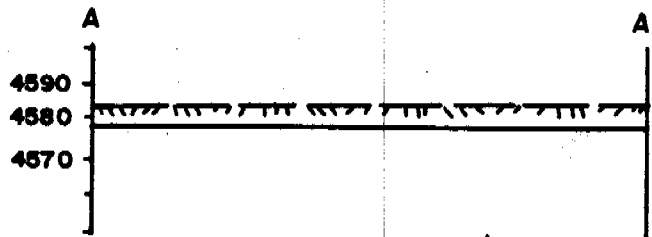
Clayton Investment Co.
Shuttle #2

FIGURE 2

JOB NUMBER

813687

CROSS SECTIONS



ARMSTRONG ENGINEERS and ASSOCIATES, INC.
ENGINEERING • SURVEYING • SOILS AND CONCRETE TESTING
251 BOSS AVENUE - GRAND JUNCTION, COLORADO 81501 - (303) 245-3051

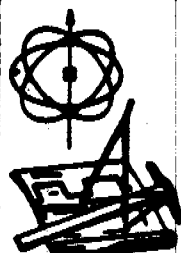
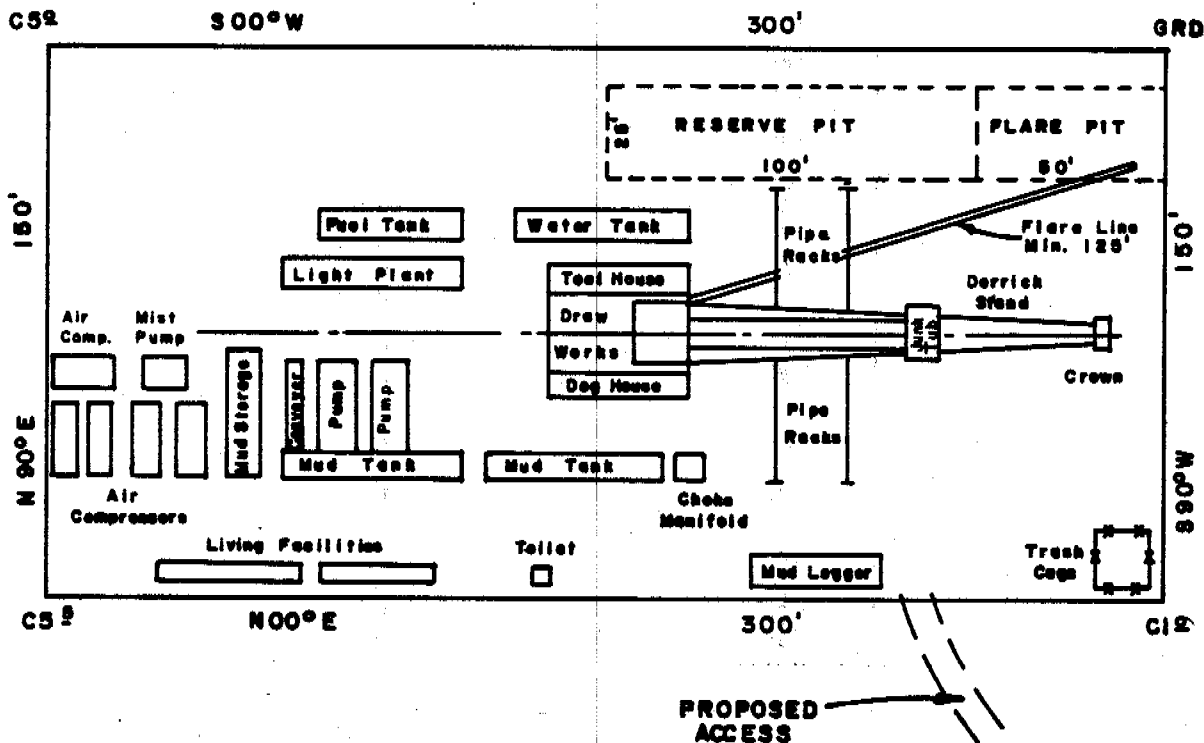
1" = 50'
12-8-81
E.A.G.
12-1-81

CLAYTON INVESTMENT CO.
SHUTTLE #2

FIGURE 6

JOB NUMBER
813687

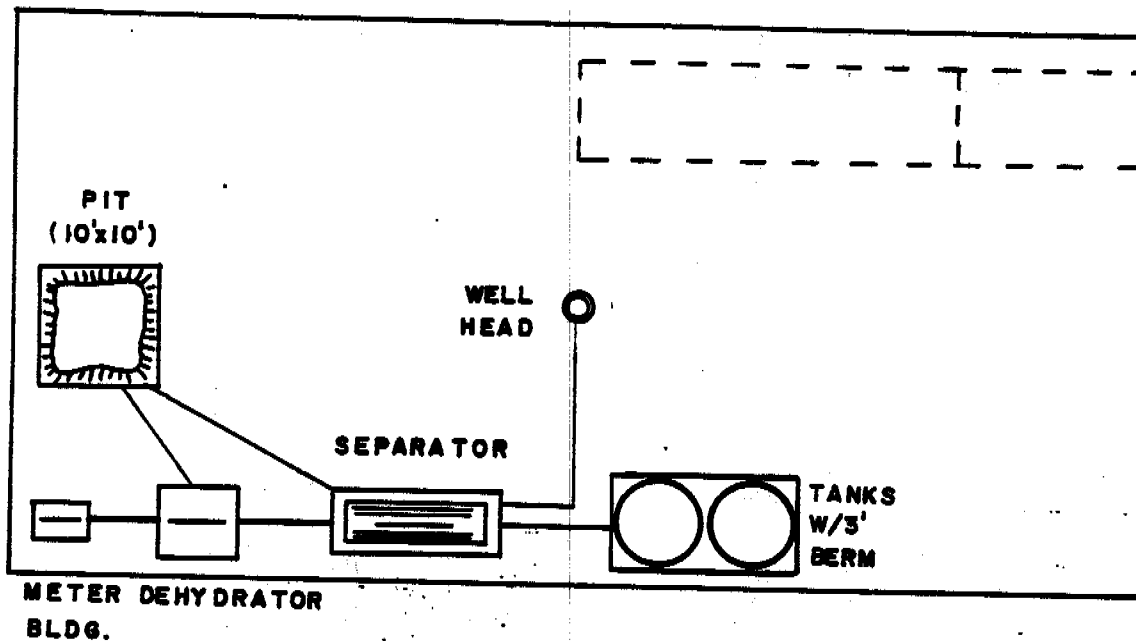
RIG LAYOUT



ARMSTRONG ENGINEERS and ASSOCIATES, INC.
 ENGINEERING • SURVEYING • SOILS AND CONCRETE TESTING
 851 ROSS AVENUE - GRAND JUNCTION, COLORADO 81501 - (303) 245-3851

1" = 50'	CLAYTON INVESTMENT CO. SHUTTLE #2	JOB NUMBER 813687
12-8-81		
E.A.G.		
12-1-81	FIGURE 7	

PRODUCTION FACILITIES



NOTE: Do not install these facilities in the center of the well pad or over the rig anchors as they will be used in the future by a work over rig. Separator must be located 75' (min.) from well head.



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861 ROOD AVENUE - GRAND JUNCTION, COLORADO 81501 - (303) 245-3861

NO SCALE

Dec.

MWD

J.A. BARE

Dec.

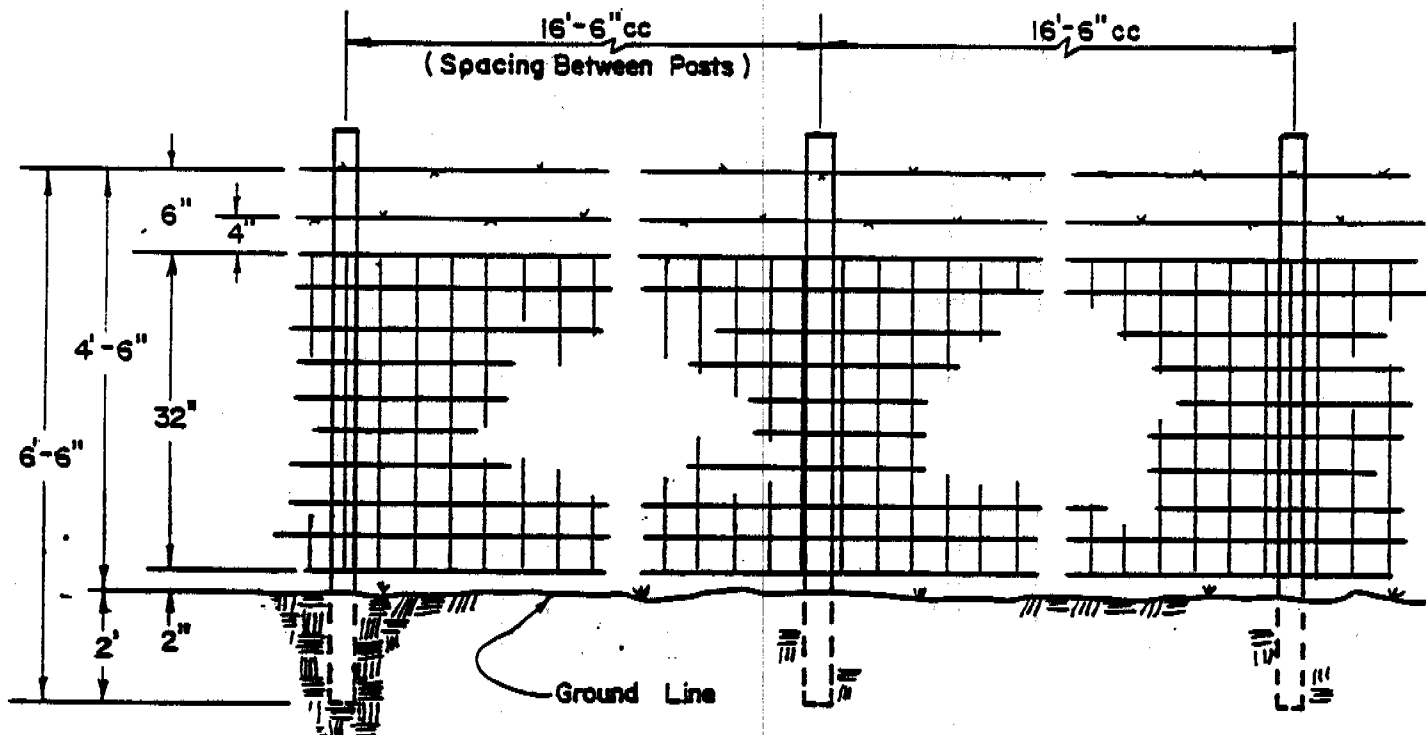
Clayton Investment Co.
Shuttle #2

FIGURE 8

JOB NUMBER

813687

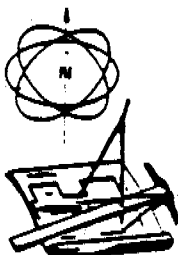
PIT FENCE DIAGRAM



CORNER POSTS SHALL BE BRACED

Reserve Pit to be Fenced 3 sides
Prior to Drilling. 4th Side Must be
Completed Before Rig Release.

Overhead Flagging or Netting Must
be Placed on All "Permanent" Pits.



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NOT TO SCALE

Dec

MWD

J A Bare

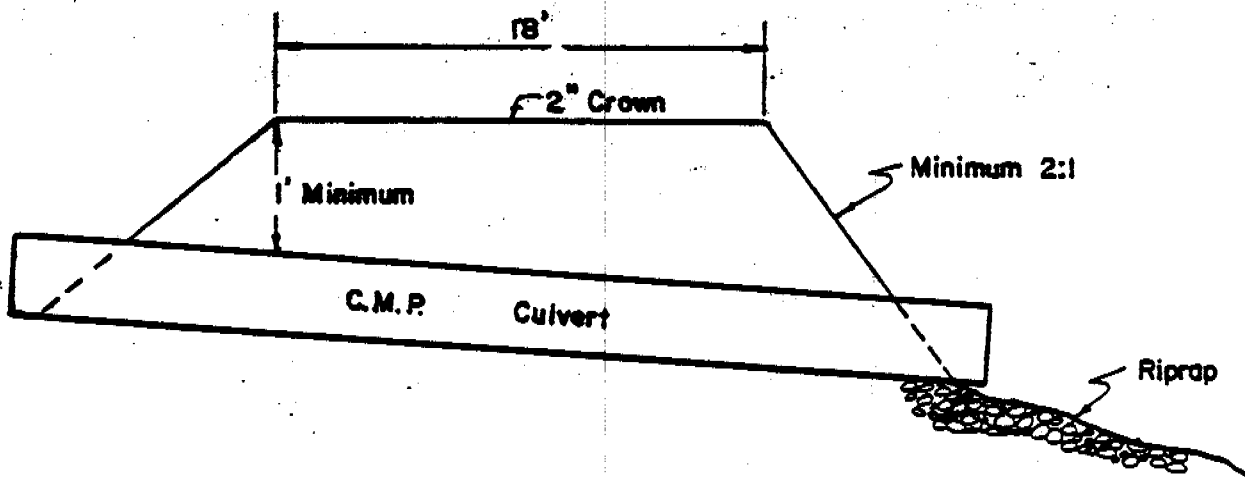
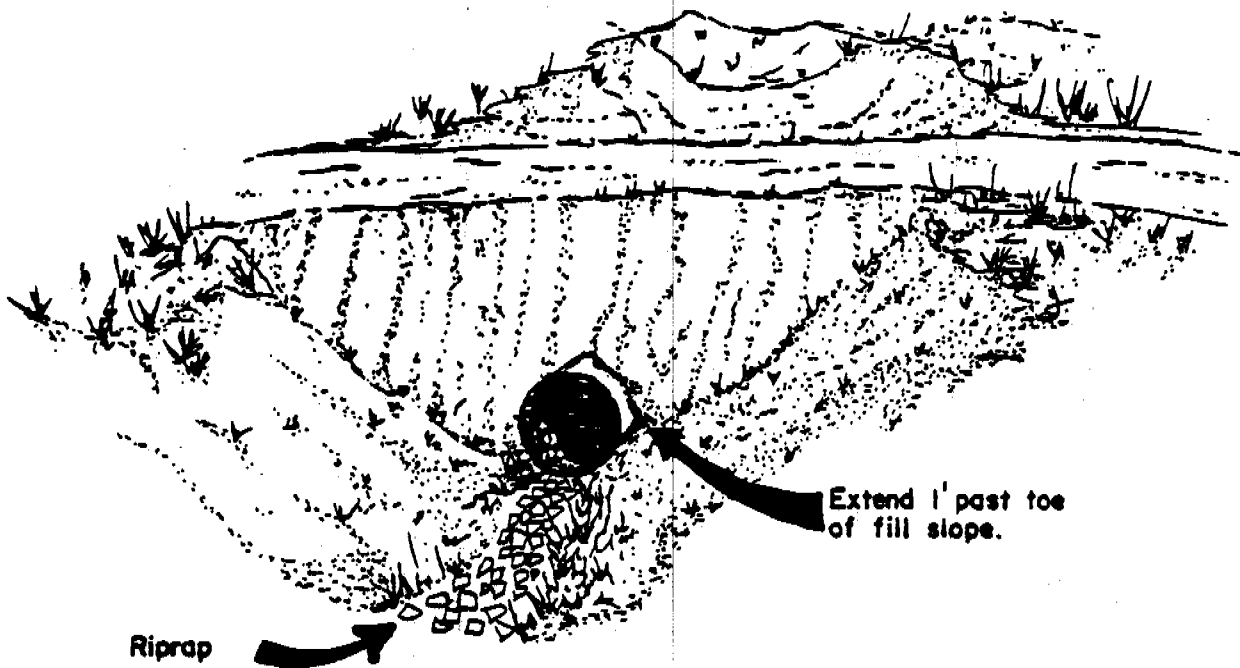
Dec

Clayton Investment Co.
Shuttle #2

FIGURE 9

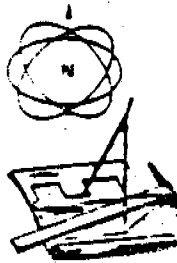
JOB NUMBER
813687

TYPICAL CULVERT INSTALLATION



Notes:

1. In bedding of C.M.P. Culverts, if the foundation is rock, excavate to depth of 8 in. below culvert grade and replace with earth cushion.
2. Minimum cover over culvert is one foot (1').



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NOT TO SCALE

Dec
MWD

J A Bere

Dec

Clayton Investment Co.
Shuttle #2

FIGURE 10

JOB NUMBER

813687

**ARCHAEOLOGICAL SURVEY OF
CLAYTON INVESTMENT COMPANY'S
J. P. #1 AND SHUTTLE #2 LOCATIONS
AND ASSOCIATED ACCESS ROUTES,
GRAND COUNTY, UTAH**

GRC Report 81166

by
Thomas F. Babcock, Ph.D.
Supervising Archaeologist
and
Melissa Kimsey,
Staff Archaeologist

GRAND RIVER CONSULTANTS, Inc.
576 25 Road, Suite 11
Grand Junction, CO 81501
(303) 241-0308

December 15, 1981

Prepared for:
Armstrong and Associates, Inc.
861 Rood
Grand Junction, CO 81501

Distribution:

BLM - State Office, Salt Lake City (1)
District Office, Moab (1)
Area Office, Moab (1)
Utah State Historical Society, Antiquities Division (1)
Armstrong and Associates (2)✓

**** FILE NOTATIONS ****

DATE: 1-6-82
OPERATOR: Clayton Investment Co
WELL NO: Shuttle #2
Location: Sec. 1 T. 205 R. 24E County: Frank
File Prepared: ☒ Entered on N.I.D: ☒
Card Indexed: ☒ Completion Sheet: ☒
API Number 43-019-30903

CHECKED BY:

Petroleum Engineer: _____
Director: OK as per order issued in course 102-16B
Administrative Aide: OK as per order below. OK on
transmission

APPROVAL LETTER:

Bond Required: ☐ Survey Plat Required: ☐
Order No. 102-16B 9/26/79 O.K. Rule C-3 ☐
Rule C-3(c), Topographic Exception - company owns or controls acreage
within a 660' radius of proposed site ☐
Lease Designation Fed Plotted on Map ☐
Approval Letter Written ☐
Hot Line ☒ P.I. ☒

January 11, 1982

Clayton Investment Company
P. O. Box 1367
Farmington, New Mexico 87401

RE: Well No. Shuttle #2
Sec. 1, T. 20S, R. 24S
Grand County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with the Order issued in Cause No. 102-16B dated September 26, 1979.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

CLEON B. FEIGHT - Director
Office: 533-5771
Home: 466-4455

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-019-30903.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Cleon B. Feight
Director

CBF/as
Encl.
cc: State Lands *USGS*

NOTICE OF SPUD

Caller: Stark Clayton Investment Co.

Phone: 505-327-5156

Well Number: Shuttle #2

Location: NW 1/4 Sec 1, T-20S, R-24E

County: Grand State: UT

Lease Number: U-17830

Lease Expiration Date: _____

Unit Name (If Applicable): _____

Date & Time Spudded: 1-21-82 4:00 P.M.

Dry Hole Spudded Rotary: _____

Details of Spud (Hole, Casing, Cement, etc.) 8 5/8" casing
12 1/4" hole, 160' surface pipe

Rotary Rig Name & Number: Shucko #1

Approximate Date Rotary Moves In: 1-20-82

FOLLOW WITH SUNDRY NOTICE

Call Received By: Cindy

Date: 1-22-82 8:00 A.M.

cc: Well file
USGS Verbal
UT ST. O & S
TAM
APD
DSD

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: CLAYTON CORP.

WELL NAME: Shuttle #2

SECTION NWSW 7 TOWNSHIP 20S RANGE 24E COUNTY Grand

DRILLING CONTRACTOR Guscho Co.

RIG # 1

SPUDED: DATE 1-21-82

TIME 4:00 PM

How Rotary

DRILLING WILL COMMENCE

REPORTED BY Stark

TELEPHONE # 505-327-5156

DATE 1-11-82 SIGNED DB

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☐ other ☐
well well
2. NAME OF OPERATOR
Clayton Investment Company
3. ADDRESS OF OPERATOR
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2093' NSL - 548' EWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

- REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:
- | | | |
|----------------------|--------------------------|--------------------------|
| TEST WATER SHUT-OFF | <input type="checkbox"/> | <input type="checkbox"/> |
| FRACTURE TREAT | <input type="checkbox"/> | <input type="checkbox"/> |
| SHOOT OR ACIDIZE | <input type="checkbox"/> | <input type="checkbox"/> |
| REPAIR WELL | <input type="checkbox"/> | <input type="checkbox"/> |
| PULL OR ALTER CASING | <input type="checkbox"/> | <input type="checkbox"/> |
| MULTIPLE COMPLETE | <input type="checkbox"/> | <input type="checkbox"/> |
| CHANGE ZONES | <input type="checkbox"/> | <input type="checkbox"/> |
| ABANDON* | <input type="checkbox"/> | <input type="checkbox"/> |
- (other) Plug well - dry hole

5. LEASE
U-17830
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Shuttle
9. WELL NO.
2
10. FIELD OR WILDCAT NAME
Greater Cisco
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 1, T 20S, R24E
12. COUNTY OR PARISH
Grand
13. STATE
Utah
14. API NO.
43-019-30903
15. ELEVATIONS (SHOW DF, KDB, AND WD)
4580'

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

1. Called Mr. W. P. Martens 1-25-81 for permission to plug well.
2. Plugged well at recommended depths.
 - A. 1223' TD - 1023'
 - B. 900' - 700'
 - C. 210' - 110'
3. Set Dry Hole marker. With 10 sacks.

RECEIVED
FEB 01 1982
DIVISION OF
OIL, GAS & MINING

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED J. S. Stark TITLE Prod. Mgr DATE 1-26-82

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

RECEIVED
FEB 01 1982
DIVISION OF
OIL, GAS & MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Shuttle #2
Operator Clayton Investment Co. Address 710 East 20th St., Farmington, NM
Contractor Gushco #1 Address Grand Junction, CO
Location 1/4 1/4 Sec. 1 T: 20S R. 24E County Grand

Water Sands

<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
From	To	Flow Rate or Head	Fresh or Salty
1.			
2.			
3.			
4.			
5.			

(Continue of reverse side if necessary)

Formation Tops Dakota 527'

Remarks Water was too small an amount to measure.

- NOTE: (a) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.
- (b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

DIVISION OF OIL, GAS AND MINING

PLUGGING PROGRAM

NAME OF COMPANY: Clayton Investments

WELL NAME: Shuttle #2

SECTION 1 TOWNSHIP 20S RANGE 24E COUNTY Grand

VERBAL APPROVAL GIVEN TO PLUG AND ABOVE REFERRED TO WELL IN THE FOLLOWING MANNER:

TOTAL DEPTH: 1223'

CASING PROGRAM:

120' 8 5/8 cemented top to bottom

FORMATION TOPS:

527 Dakota

PLUGS SET AS FOLLOWS:

1223 to 1023 - 200' plug

900 to 700 - 200' plug

210 to 110 - 100' plug

Marker set with 10 sax

Heavy mud between plugs. Given
to Bill Martins

DATE January 27, 1982

SIGNED CBF

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

12

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> Other _____				5. LEASE DESIGNATION AND SERIAL NO. U-17830	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____				6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Clayton Investment				7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 710 E. 20th St., Farmington, NM 87401				8. FARM OR LEASE NAME Shuttle	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 2093' NSL - 548' EWL At top prod. interval reported below At total depth				9. WELL NO. #2	
14. PERMIT NO. 43-019-30903				DATE ISSUED 1-7-82	
15. DATE SPURRED 1-22-82		16. DATE T.D. REACHED 1-24-82		12. COUNTY OR PARISH Grand	
17. DATE COMPL. (Ready to prod.)		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 4580 GR		13. STATE Utah	
20. TOTAL DEPTH, MD & TVD 1223'		21. PLUG, BACK T.D., MD & TVD		19. ELEV. CASINGHEAD	
22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY →		ROTARY TOOLS X	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)* none				CABLE TOOLS	
26. TYPE ELECTRIC AND OTHER LOGS RUN GR, Density, S.P. Resistance				25. WAS DIRECTIONAL SURVEY MADE No	
27. WAS WELL CORED No					
28. CASING RECORD (Report all strings set in well)					
CASING SIZE 8 5/8"		WEIGHT LB./FT. 32#		DEPTH SET (MD) 160'	
HOLE SIZE 12 3/4"		CEMENTING RECORD Cement to surface		AMOUNT PULLED	
29. LINER RECORD					
SIZE		TOP (MD)		BOTTOM (MD)	
SACKS CEMENT*		SCREEN (MD)			
30. TUBING RECORD					
SIZE		DEPTH SET (MD)		PACKER SET (MD)	
31. PERFORATION RECORD (Interval, size and number) plugged well					
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
DEPTH INTERVAL (MD)			AMOUNT AND KIND OF MATERIAL USED		
33.* PRODUCTION					
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)			WELL STATUS (Producing or shut-in)
DATE OF TEST		HOURS TESTED		CHOKE SIZE	
PROD'N. FOR TEST PERIOD →		OIL--BBL.		GAS--MCF.	
WATER--BBL.		GAS-OIL RATIO			
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE →	
OIL--BBL.		GAS--MCF.		WATER--BBL.	
OIL GRAVITY-API (CORR.)					
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)				TEST WITNESSED BY	
35. LIST OF ATTACHMENTS					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records					
SIGNED J. S. Stankovic		TITLE Production Mgr.		DATE 2-3-82	

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Dakota	537	594	Sand			